

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2010; month=4; day=9; hr=7; min=46; sec=45; ms=307;]

=====

Application No: 10507380 Version No: 2.0

Input Set:

Output Set:

Started: 2010-04-08 15:11:16.131

Finished: 2010-04-08 15:11:38.427

Elapsed: 0 hr(s) 0 min(s) 22 sec(s) 296 ms

Total Warnings: 0

Total Errors: 0

No. of SeqIDs Defined: 290

Actual SeqID Count: 290

SEQUENCE LISTING

<110> Tel HaShomer Medical Research Infrastructure and Services LTD.
Yisum Research Development Company of the Hebrew University of Jerusalem
Achiron, Anat
Gurevich, Michael
Mandel, Mathilda
Friedman, Nir
Kaminski, Naftali

<120> PERIPHERAL BLOOD CELL MARKERS USEFUL FOR DIAGNOSING MULTIPLE SCLEROSIS AND METHODS AND KITS UTILIZING SAME

<130> 28594

<140> 10507380

<141> 2010-04-08

<160> 290

<170> PatentIn version 3.5

<210> 1

<211> 3936

<212> DNA

<213> Homo sapiens

<400> 1

gggaccggcg ctcagctggc ggcgcgctcg ccggccgagg tgggatcccg aggcctctcc	60
agtccgccga gggcgccacca ccggcccgtc tcgcccgcgc cgccggggag gtggagcacg	120
agcgcacgtg ttaggaacct agaaagattg tacaatgaat ggtgattctc gtgctgcggt	180
ggtgacctca ccacccccga ccacagcccc tcacaaggag aggtacttcg accgagtaga	240
tgagaacaac ccagagtact tgagggagag gaacatggca ccagaccttc gccaggactt	300
caacatgatg gagcaaaaga agaggggtgc catgattctg caaagccctg ctttctgtga	360
agaattggaa tcaatgatac aggagcaatt taagaagggg aagaaccca caggcctatt	420
ggcattacag cagattgcag attttatgac cacgaatgta ccaaattgtct acccagcagc	480
tccgcaagga gggatggctg ccttaaacad gagtcttggt atggtgactc ctgtgaacga	540
tcttagagga tctgattcta ttgcgtatga caaaggagag aagttattac ggtgtaaatt	600
ggcagcggtt tatagactag cagatctctt tgggtgggtc cagcttatct acaatcatat	660
cacaaccaga gtgaactccg agcaggaaca cttcctcatt gtcccttttg ggcttcttta	720
cagtgaagtg actgcatcca gtttggttaa gatcaatcta caaggagata tagtagatcg	780

tggaagcact aatctgggag tgaatcaggc cggtctcacc ttacactctg caatttatgc	840
tgcacgcccc gacgtgaagt gcgtcgtgca cattcacacc ccagcagggg ctgcggtctc	900
tgcaatgaaa tgtggcctct tgccaatctc cccggaggcg ctttcccttg gagaagtggc	960
ttatcatgac taccatggca ttctggttga tgaagaggaa aaagttttga ttcagaaaaa	1020
tctggggcct aaaagcaagg ttcttattct ccggaaccat gggctcgtgt cagttggaga	1080
gagcgttgag gaggccttct attacatcca taaccttgtg gttgcctgtg agatccaggt	1140
tcgaactctg gccagtgcag gaggaccaga caacttagtc ctgctgaatc ctgagaagta	1200
caaagccaag tcccgttccc cagggctctcc ggtaggggaa ggcactggat cgcctcccaa	1260
gtggcagatt ggtgagcagg aatttgaagc cctcatgcgg atgctcgata atctgggcta	1320
cagaactggc tacccttata gataccctgc tctgagagag aagtctaaaa aatacagcga	1380
tgtggaggtt cctgctagtg tcacaggtta ctcttttgc agtgacggtg attcgggcac	1440
ttgctcccca ctgagacaca gttttcagaa gcagcagcgg gagaagacaa gatggctgaa	1500
ctctggcccg ggcgacgaag cttccgagga agggcagaat ggaagcagtc ccaagtcgaa	1560
gactaagtgg actaaagagg atggacatag aacttcacc tctgctgtcc ctaacctgtt	1620
tgttccattg aacactaacc caaaagaggt ccaggagatg aggaacaaga tccgagagca	1680
gaatttacag gacattaaga cggtcggccc tcagtcccag gttttgtgtg gtgtagtgat	1740
ggacaggagc ctgctccagg gagagctggg gacggcctcc aaggccatca ttgaaaagga	1800
gtaccagccc cacgtcattg tgagcaccac gggtcccaac cccttcacca cactcacaga	1860
ccgtgagctg gaggagtacc gcagggaggt ggagagggaag cagaagggt gtgaagagaa	1920
tctggacgag gctagagaac agaaagaaaa gagtcctcca gaccagcctg cgggtcccca	1980
ccgcctccc agcactcca tcaagctgga ggaagacctt gtgccggagc cgactactgg	2040
agatgacagt gatgctgcca ctttaagcc aactctcccc gatctgtccc ctgatgaacc	2100
ttcagaagca ctcggttcc caatgttaga gaaggaggag gaagcccata gacccccaag	2160
ccccactgag gcccctactg aggccagccc cgagccagcc ccagaccag ccccggtggc	2220
tgaagaggct gccccctcag ctgtcgagga gggggccgcc gcggaccctg gcagcgatgg	2280
gtctccaggc aagtccccgt ccaaaaagaa gaagaagttc cgtaccccg cttttctgaa	2340
gaagagcaag aagaagagtg actcctgaaa gccctgcgct aacctgtcc tgtccggagc	2400
gacctggct ctgccagcgt ccccgccac gtctgtgtc tgtccttgtg taatggaatg	2460
caaaaaagcc aagccctccg cctagaggtc ccctcacgtg accagccccg tgtagccccg	2520

ggctgacca gtgtgtgctc agcagcccca cccaccctg ccccttgtec tctcagagcc	2580
tcagcttctg ggggagacat gctctcccca caggggggag gcactaagtc atggtcctgg	2640
ctggaaggta ctgaaggctt ctgcagcttt ggctgcacgt caccctcctg agcctcacct	2700
ttctgcccgt cctcctgtt gtgaaatcac cacattctgt ctctgcttgg cttccctcc	2760
accctaaagt ctcaggtgac ggactcagac tcttggttcc atgtggcatt ctctctgctc	2820
agtgatctca cttaaactta tatacaaagc cttgggtccc tgaaaacact cgtgtgcca	2880
ccagcggcct tgaagaggca ggtctgggcc agatgctggg caggaaaccc cagcggcaga	2940
tgggcctgtg tgcaccaac gtgatgctat gcatgtctga ccgacgatcc ctcgaccaga	3000
atcagattca ggagctcagt ttctttttca cttgggtctc tggattcctg tcatagggaa	3060
ggtatatcag gagggaaga ggcctttcta gaattttctt tgagcagggt tacaatttag	3120
cttacatttt tcgactgtga acgtgaatag gctgcttttt gctttcttct ttccagacc	3180
cacagtagag cacttttcac ttatttgggg gaggttcag gggactgttc tcacctaac	3240
tcagccagaa agatgcccta gttgtgatca aaggtaactc gaggtggagg gtagccctgg	3300
ggccccctga catcacgctc attgatggag cctgaaccgt gtgctcctcg gcagatgctg	3360
ttgttggttac ttccctccaa gaggctggaa aagggtcag agctgctgag caggaaccgg	3420
agggtgaccc atttcaggag gtgccggtac cagcctgact aggtacaggc aagcttgtgt	3480
gggcccaca ggccttgggt agagctggtg ccagatgtgg gctcagatcc tgggcatgat	3540
gggcccagacc acctcgatc cactgattg gccagccgag cgagaaccag gctgctgcat	3600
ggcactgacc gccgcttcca gcttctctg agccgcaggg cctgctacgc gggcaagcgt	3660
gctgcctctc ttctgtgtcg ttttgttgcc aaggcagaat gaaaagtcct taaccgtgga	3720
ctcttcttt atccctcct ttacccaca tatgcaatga cttttaattt tcacttttgt	3780
agtttaatcc tttgtattac aacatgaaat atagtgtcat atatggacac cgacttgga	3840
ggacaggctc tgaatgtcct ttctccagt taacatgttt tactcacaaa taaaattctt	3900
tcagcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa	3936

<210> 2
 <211> 4297
 <212> DNA
 <213> Homo sapiens

<400> 2	
cccgatttt ggggggttcg tcgggctgt ggaagaagcc ccgccacgga cttcggcaga	60

ggtagagcag gtctctctgc agccatgtcg gccaaaggcaa tttcagagca gacgggcaaa	120
gaactccttt acaagttcat ctgtaccacc tcagccatcc agaatcgggt caagtatgct	180
cgggtcactc ctgacacaga ctggggcccg ttgctgcagg accacccctg gctgctcagc	240
cagaacttgg tagtcaagcc agaccagctg atcaaacgtc gtggaaaact tggctctcgtt	300
ggggtcgacc tcaactctgga tgggggtcaag tcctggctga agccacgggt gggacaggaa	360
gccacagttg gcaaggccac aggcttcctc aagaactttc tgatcgagcc cttcgcccc	420
cacagtcagg ctgaggagtt ctatgtctgc atctatgcca cccgagaagg ggactacgtc	480
ctgttcacc acgagggggg tgtggacgtg ggtgatgtgg acgccaaggc ccagaagctg	540
cttggtggcg tggatgagaa actgaatcct gaggacatca aaaaacacct gttggtccac	600
gcccctgacg acaagaaaga aattctggcc agttttatct ccggcctctt caatttctac	660
gaggacttgt acttcaccta cctcgagatc aatccccttg tagtgaccaa agatggagtc	720
tatgtccttg acttggcggc caaggtggac gccactgccg actacatctg caaagtgaag	780
tggggtgaca tcgagttccc tcccccttc gggcgggtgg catatccaga ggaagcctac	840
attgcagacc tcgatgcaa aagtggggca agcctgaagc tgaccttgct gaaccccaaa	900
gggaggatct ggaccatggg ggccgggggt ggcgcctctg tcgtgtacag cgataccatc	960
tgtgatctag ggggtgtcaa cgagctggca aactatgggg agtactcagg cgcctccagc	1020
gagcagcaga cctatgacta tgccaagact atcctctccc tcatgaccgg agagaagcac	1080
ccagatggca agatcctcat cattggaggc agcatcgaa acttcaccaa cgtggctgcc	1140
acgttcaagg gcatcgtgag agcaattcga gattaccagg gcccctgaa ggagcacgaa	1200
gtcacaatct ttgtccgaag aggtggcccc aactatcagg agggcttacg ggtgatggga	1260
gaagtcggga agaccactgg gatccccatc catgtctttg gcacagagac tcacatgacg	1320
gccattgtgg gcatggcctg ggcaccggcc atccccaaac agccaccac agcggccac	1380
actgcaaact ttctcctcaa cgcacagcgg gagacatcga ctccagcccc cagcaggaca	1440
gcatcttttt atgagtccat ggtcgatgag gtcagggccg atgagggtgc gcctgcaaag	1500
aaggccaagc ctgccatgcc acaagattca gtcccaagtc caagatccct gcaaggaaag	1560
agcaccacc tcttcagccg ccacaccaag gccattgtgt ggggcatgca gaccggggcc	1620
gtgcaaggca tgctggactt tgactatgtc tgctcccgag acgagccctc agtggctgcc	1680
atggtctatc ctttactgg ggaccacaag cagaagtttt actgggggca caaagagatc	1740

ctgatccctg tcttcaagaa catggctgat gccatgagga agcacccgga ggtagatgtg	1800
ctcatcaact ttgcctctct ccgctctgcc tatgacagca ccatggagac catgaactat	1860
gccagatcc ggaccatcgc catcatagct gaaggcatcc ctgaggccct cactgagaaag	1920
ctgatcaaga agggcgacca gaagggagtg accatcatcg gacctgccac tgttgagggc	1980
atcaagcctg ggtgctttaa gattggcaac acaggtggga tgctggacaa catcctggcc	2040
tccaaactgt acccccaggc agctgtggcc tatgtctcac gttccggagg catgtccaac	2100
gagctcaaca atatcatctc tcggaccacg gatggcgtct atgagggcgt ggccattggt	2160
ggggacaggt acccgggctc cacattcatg gatcatgtgt tacgctatca ggacactcca	2220
ggagtcaaaa tgattgtggt tcttgagag attgggggca ctgaggaata taagatttcc	2280
cggggcatca aggagggccg cctcactaag cccatcgtct gctggtgcat cgggacgtgt	2340
gccaccatgt tctcctctga ggtccagttt ggccatgctg gagcttgtgc caaccaggct	2400
tctgaaactg cagtagccaa gaaccaggct ttgaaggaag caggagtgtt tgtgccccgg	2460
agctttgatg agcttgaga gatcatccag tctgtatacg aagatctcgt ggccaatgga	2520
gtcattgtac ctgcccagga ggtgccgccc ccaaccgtgc ccatggacta ctctggggcc	2580
agggagcttg gtttgatccg caaacctgcc tcgttcatga ccagcatctg cgatgagcga	2640
ggacaggagc tcatctacgc gggcatgccc atcactgagg tcttcaagga agagatgggc	2700
attggcgggg cctcggcct cctctgggtc cagaaaaggt tgccaaagta ctcttgccag	2760
ttcattgaga tgtgtctgat ggtgacagct gatcacgggc cagccgtctc tggagccac	2820
aacaccatca tttgtgcgcg caccgcggtg gagctggtct ccagcctcac ctcggggctg	2880
ctcaccatcg gggatcggtt tgggggtgcc ttggatgcag cagccaagat gttcagtaaa	2940
gcctttgaca gtggcattat ccccatggag tttgtgaaca agatgaagaa ggaagggaag	3000
ctgatcatgg gcattggtca ccgagtgaag tcgataaaca acccagacat gcgagtgcag	3060
atcctcaaag attacgtcag gcagcacttc cctgccactc ctctgctcga ttatgactg	3120
gaagtagaga agattaccac ctggaagaag ccaaacttta tcctgaatgt agatggtctc	3180
atcggagtcg catttgtaga catgcttaga aactgtgggt cctttactcg ggaggaagct	3240
gatgaatata ttgacattgg agccctcaat ggcatctttg tgctgggaag gagtatgggg	3300
ttcattggac actatcttga tcagaagagg ctgaagcagg ggctgtatcg tcatccgtgg	3360
gatgatattt catatgttct tccggaacac atgagcatgt aacagagcca ggaaccctac	3420
tgcagtaaac tgaagacaag aactcttccc ccaagaaaaa gtgtcagaca gctggcagtg	3480

gagcctgctt tatttagcag gggcctggaa tgtaaacagc cactggggta caggcaccga	3540
agaccaacat ccacaggcta acaccccttc agtccacaca aagaagcttc atattttttt	3600
tataagcata gaaataaaaa ccaagccaat atttgtgact ttgctctgct acctgctgta	3660
tttattatat ggaagcatct aagtactgtc aggatgggggt cttcctcatt gtagggcggt	3720
aggatgttgc tttctttttc cattagttaa acattttttt ctcctttgga ggaagggaat	3780
gaaacattta tggcctcaag atactataca tttaaagcac cccaatgtct ctcttttttt	3840
tttttttttac ttcccttgct tcttccttat ataacatgaa gaacattgta ttaatctgat	3900
ttttaaagac tttttgtatg ttacgtgtta agggcttggt tggatatcca ctgaaatggt	3960
ctgtgttgca gaccagagtc tgtttatgtc agggggaggg ggccattgca tccttagcca	4020
ttgtcacaaa atatgtggag tagtaactta atatgtaaag ttgtaacata catacattta	4080
aatggaaat gcagaaagct gtgaaatgtc ttgtgtctta tgttctctgt atttatgcag	4140
ctgatttgtc tgtctgtaac tgaagtgtgg gtccaaggac tcctaactac tttgcatctg	4200
taatccacaa agattctggg cagctgccac ctcagtcctc tctctgtatt atcatagtct	4260
ggtttaaata aactatatag taacaggaat tcctgca	4297

<210> 3
 <211> 1783
 <212> DNA
 <213> Homo sapiens

<400> 3	
cctctcgag ctggaaatgc agctattgag atcttcgaat gctgcggagc tggaggcgga	60
ggcagctggg gaggtccgag cgatgtgacc aggcgcccat cgctcgtctc ttcctctctc	120
ctgccgcctc ctgtgtcgaa aataactttt ttagtctaaa gaaagaaaga caaaagtagt	180
cgtccgcccc tcacgcctc tcttctctc agccttcgc cgggtgagga agcccggggt	240
ggctgctccg ccgtcggggc cgcgcgcgcg agccccagcg ccccgggccg cccccgcacg	300
ccgcccccat gcatccctc tacaccggg ccgccaccat gataggcgag atcgccgcg	360
ccgtgtcctt catctccaag tttctccgca ccaaggggct gacgagcgag cgacagctgc	420
agacctcag ccagagcctg caggagctgc tggcagaaca ttataaacat cactggttcc	480
cagaaaagcc atgcaaggga tcgggttacc gttgtattcg catcaaccat aaaatggatc	540
ctctgattgg acaggcagca cagcggattg gactgagcag tcaggagctg ttcaggcttc	600
tcccaagtga actcacactc tgggttgacc cctatgaagt gtcctacaga attggagagg	660

atggctccat ctgtgtgctg tatgaagcct caccagcagg aggtagcact caaaacagca	720
ccaacgtgca aatggtagac agccgaatca gctgtaagga ggaacttctc ttgggcagaa	780
cgagcccttc caaaaactac aatatgatga ctgtatcagg ttaagatata gtctgtggat	840
ggatcatctg atgatgatcc ataaatttga tttttgcttt ggggtgggctc ctcttgggga	900
tggattatgg aatttaaacc atgtcacagc tgtgaagatc tggcacaaga tagaatggta	960
aaaaaaaaa aaaattttta gtgacagtgc catagtttgg acagtacctt tcaatgatta	1020
attttaatag cctgtgagtc caagtaaagc atcactttat ttgctaggga gggaagtcct	1080
aggggtggttt cagtttctcc cagacatacc taaattttta catcaatcct tttaaagaaa	1140
atctgtatct caaagaatct ttctctgcag taaatctcgc aggggaattt gcactattac	1200
acttgaaagt tgttattgtt aaccttttcg gcagctttta ataggaaagt taaacgtttt	1260
aaacatggta gtactggaat ttttacaaga cttttaccta gcacttaaat atgtataaat	1320
gtacataaag acaaactagt aagcatgacc tggggaaatg gtcagacctt gtattgtgtt	1380
tttggccttg aaagtagcaa gtgaccagaa tctgccatgg caacaggctt taaaaagac	1440
ccttaaaaag acactgtctc aactgtgggtg ttagcaccag ccagctctct gtacatttgc	1500
tagcttgtag ttttctaaga ctgagtaaac ttcttatttt tagaaagtgg aggtctgggt	1560
tgtaaacttc cttgtactta attgggtaaa agtcttttcc acaaaccacc atctattttg	1620
tgaactttgt tagtcatctt ttatttggta aattatgaac tgggtgaaat ttgtacagtt	1680
catgtatatt gattgtggca aagttgtaca gatttctata ttttggatga gaaatttttc	1740
ttctctctat aataaatcgt ttcttatctt ggcattttta acc	1783

<210> 4
 <211> 3007
 <212> DNA
 <213> Homo sapiens

<400> 4	
aaggagagag ggagggcgga gggcgaggag gcggcgaggag gagggcgagg aggagcgctc	60
ttcttggttg ggcctgccc tgaagtcca ccgggaagcc agcctcaggg actgcagcga	120
ccccaaaca cccctcccc aggatgtcgg aggagatcat cacgccggtg tactgcactg	180
gggtgtcagc ccaagtgcag aagcagcggg ccaggagagct gggcctgggc cgccatgaga	240
atgccatcaa gtacctgggc caggattatg agcagctgcg ggtgcgatgc ctgcagagtg	300
ggacctctt ccgtgatgag gccttcccc cggtaccca gagcctgggt tacaaggacc	360

tgggtcccaa ttctccaag acctatggca tcaagtggaa gcgtcccacg gaactgctgt	420
caaacccccca gttcattgtg gatggagcta cccgcacaga catctgccag ggagcactgg	480
gggactgctg gctcttggcg gccattgcct ccctcactct caacgacacc ctctgcacc	540
gagtggttcc gcacggccag agcttccaga atggctatgc cggcatcttc catttccagc	600
tgtggcaatt tggggagtgg gtggacgtgg tcgtggatga cctgctgccc atcaaggacg	660
ggaagctagt gttcgtgcac tctgccgaag gcaacgagtt ctggagcgcc ctgcttgaga	720
aggcctatgc caaggtaaataa ggcagctacg aggccctgtc agggggcagc acctcagagg	780
gctttgagga cttcacaggc ggggttaccg agtggtagca gttgcgcaag gctcccagtg	840
acctctacca gatcactctc aaggcgctgg agcggggctc cctgctgggc tgctccatag	900
acatctccag cgttctagac atggaggcca tcaactttcaa gaagtgggtg aaggggccatg	960
cctactctgt gaccggggcc aagcaggtga actaccgagg ccaggtgggtg agcctgatcc	1020
ggatgcggaa cccctggggc gaggtggagt ggacgggagc ctggagcgac agctcctcag	1080
agtgaacaa cgtggacca tatgaacggg accagctccg ggtcaagatg gaggacgggg	1140
agttctggat gtcattccga gacttcatgc gggagttcac ccgctggag atctgcaacc	1200
tcacaccga cgcctcaag agccggacca tccgcaaatg gaacaccaca ctctacgaag	1260
gcacctggcg gcgggggagc accgcggggg gctgccgaaa ctaccagcc accttctggg	1320
tgaacctca gttcaagatc cggtggatg agacggatga cccggacgac tacggggacc	1380
gcgagtcagg ctgcagcttc gtgctcgccc ttatgcagaa gcaccgtcgc cgcgagcgcc	1440
gcttcggccg cgacatggag actattggct tcgcggtcta cgaggtccct ccggagctgg	1500
tgggccagcc ggccgtacac ttgaagcgtg acttcttctt ggccaatgcg tctcgggcgc	1560
gctcagagca gttcatcaac ctgcgagagg tcagcaccgc cttccgctg ccaccgggg	1620
agtatgtggt ggtgccctcc accttcgagc ccaacaagga gggcgacttc gtgctgcgt	1680
tcttctcaga gaagagtgtt gggactgtgg agctggatga ccagatccag gccaatctcc	1740
ccgatgagca agtgctctca gaagaggaga ttgacgagaa cttcaaggcc ctcttcaggc	1800
agctggcagg ggaggacatg gagatcagcg tgaaggagtt gcggacaatc ctcaatagga	1860
tcacagcaa acacaaagac ctgcggacca agggcttcag cctagagtcg tgccgcagca	1920
tgggtgaacct catggatcgt gatggcaatg ggaagctggg cctggtggag ttcaacatcc	1980
tgtggaaccg catccggaat tacctgtcca tcttccggaa gtttgacctg gacaagtcgg	2040

gcagcatgag tgccctacgag atgcggatgg ccattgagtc ggcaggcttc aagctcaaca	2100
agaagctgta cgagctcatc atcaccgcgt actcggagcc cgacctggcg gtcgactttg	2160
acaatttcgt ttgctgcctg gtgcggctag agaccatgtt ccgatttttc aaaactctgg	2220
acacagatct ggatggagtt gtgacctttg acttgtttaa gtggttgcag ctgaccatgt	2280
ttgcatgagg cagggactcg gtcccccttg ccgtgctccc ctccctctc gtctgccaag	2340
cctcgctctc taccacacca caccaggcca cccagctgc aagtgccttc cttggagcag	2400
agaggcagcc tcgtctctct gtccccctct ctcccagcca ccatcgttca tctgctccgg	2460
gcagaactgt gtggccccct cctgtgccag ccatgggctc gggatggact ccctgggccc	2520
cacccattgc caagccagga aggcagcttt cgcttgcttc tgctcggga cagccccggg	2580
tttccccagc atcctgatgt gtccccctct cccacttcag aggccaccca ctgagcacca	2640
ccggcctggc cttgcctgca gactataaac tataaccact agctcgacac agtctgcagt	2700
ccaggcgtgt ggagccgcct cccggctcgg ggaggccccg gggctgggaa cgctgtgcc	2760
ttctgcgcc gaagccaacg cccctctgtt ccttccctgg ccctgctgcc gaccaggagc	2820
tgcccagcct gtggggcggtc ggccttcctt ccttcgctcc tttttatat tagtgatttt	2880
aaaggggact cttcagggaac ttgtgtactg gtatggggg tgccagaggc actaggcttg	2940
gggtggggag gtcccggtgt ccatatagag gaaccccaaa taataaaagg ccccatct	3000
gtctgtg	3007

<210> 5
 <211> 2564
 <212> DNA
 <213> Homo